

OJCS 544-76
15 MAR 1976

DD/A Registry

No Approp & Budget

MEMORANDUM FOR: Deputy Director for Administration

FROM : Harry E. Fitzwater
Director of Joint Computer Support

VIA : Assistant for Resources, DD/A

SUBJECT : DDS&T Research, Development and Engineering Projects Related to DD/A Requirements

REFERENCE : Memo to D/OJCS fm AR-DD/A (DD/A 76-045),
dtd 24 February 1976, Same Subject

1. Reference memorandum had attached to it papers describing various DDS&T projects. Those which were initiated on behalf of, or at the request of, OJCS are listed below:

<u>Project</u>	<u>Initiated by</u>
Bus Commo Network	ORD
Advanced Tech Seminars	OJCS
Minicomputer DMS	OJCS

STATINTL

2. I believe the remaining questions in reference are best answered by briefly describing our interface with ORD. OJCS has a close working relationship with ORD, formalized through an OJCS/ORD Coordinating Committee chaired by Mr. [REDACTED], Deputy Chief, Systems Engineering Division. Monthly meetings, attended by interested personnel in OJCS and ORD, are held to review the progress of projects of interest to OJCS. OJCS is also represented on the steering committee of various RD&E projects. We have found this to be a highly satisfactory arrangement.

STATINTL

3. With regard to the initiation and selection of RD&E projects of interest to OJCS, the following procedure has been followed for the past two years. Each year ORD gives OJCS a list and a description of current and proposed projects. Mr. [REDACTED] forms a working group to review these projects and suggest additional projects. The results of this working group are forwarded to OJCS Division and Staff Chiefs for discussion and ranking. Finally, Director, OJCS forwards a composite ranking to Director, ORD, along with comments on selected projects. A copy of this year's memorandum is attached.

4. I am confident that we have a viable and effective relationship with ORD and we are receiving proper RD&E support for our activities. STATINTL

[REDACTED]

HARRY E. FITZWATER

Att

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OJCS-302-76

24 FEB 1976

MEMORANDUM FOR: Director of Research and Development
SUBJECT : FY77-78 Planning for Research and Exploratory
Development
REFERENCE : Your Memo, ORD#5115-75, dated 5 Dec 75, Same
Subject

1. In accordance with procedures outlined in the referenced memorandum, this Office has undertaken a review of requirements for support by the Office of Research and Development for FY77-78. Over thirty current and new projects were reviewed in detail by an OJCS task team and the OJCS management.

2. The attached list of twenty-two projects, which is submitted here for consideration in your FY77 program call, represents the OJCS ranking of projects which have been proposed by OJCS personnel or have been suggested by members of your Data Processing Research and Development Division. Our jointly produced proposals are also attached. Although we have ranked a great number of proposals, we expect that your resources will only permit you to address a few of the higher priority projects.

3. The ranking of these projects has been influenced by our perception of the overall usefulness of these projects to the OJCS mission and our estimate of the appropriateness of ORD involvement in these activities. The security assessment projects, which are of great interest to OJCS, have been ranked low because we feel that security assessment falls within the scope of the Office of Security. Other projects were ranked low because we felt that they should be performed within OJCS.

4. In addition to those projects which have been ranked, we would like to express our continuing interest in projects which you may be undertaking in FY77 on behalf of other offices. Projects dealing with Computer Support to Field Stations, Interactive Cartographic Systems and Geographic Inference-Making Aids all involve OJCS to a great extent and we would expect to contribute manpower resources to these projects for both implementation and project review. We have an especially high interest in the Minicomputer Data Base Management Project.

which has been underway jointly in our two offices. We would, of course, wish to remain well informed of other computer related activities, such as the proposed project dealing with Voice Input to Computers.

5. We look forward to the continued support of ORD to our activities. If you require further information on these subjects, please contact [REDACTED] f the Systems Engineering Division, Extension [REDACTED]

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4. Hardware Implemented Te. [REDACTED]

HARRY E. FITZWATER

5. Remote Page Viewing Director of Joint Computer Support

Attachments: A/S Digital Data

Distribution: Optical Facilities for General Use

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9. Optical [REDACTED] Edition

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OJCS RANKING OF PROPOSED ORD PROJECTS

1. Wide Band Communications
2. Next Generation DBMS
3. Advanced Computer Technology Seminars
4. Hardware Implemented Text Search
5. Remote Page Viewing
6. Archiving of Digital Data
7. Text Production Facilities for General Use
8. Mass Storage Study
9. Optical Character Recognition
10. User Authentication
11. Custom Microprogramming
12. GIM Security Assessment
13. Text Analysis Techniques
14. VM/370 Security Assessment
15. Personal File Processing
16. Multi-System Terminal Access
17. APL Enhancement
18. Advanced Terminal Experiment
19. System Development Methodology
20. Programmer Productivity
21. Interactive Terminal Human Factors Survey
22. Coins Interface